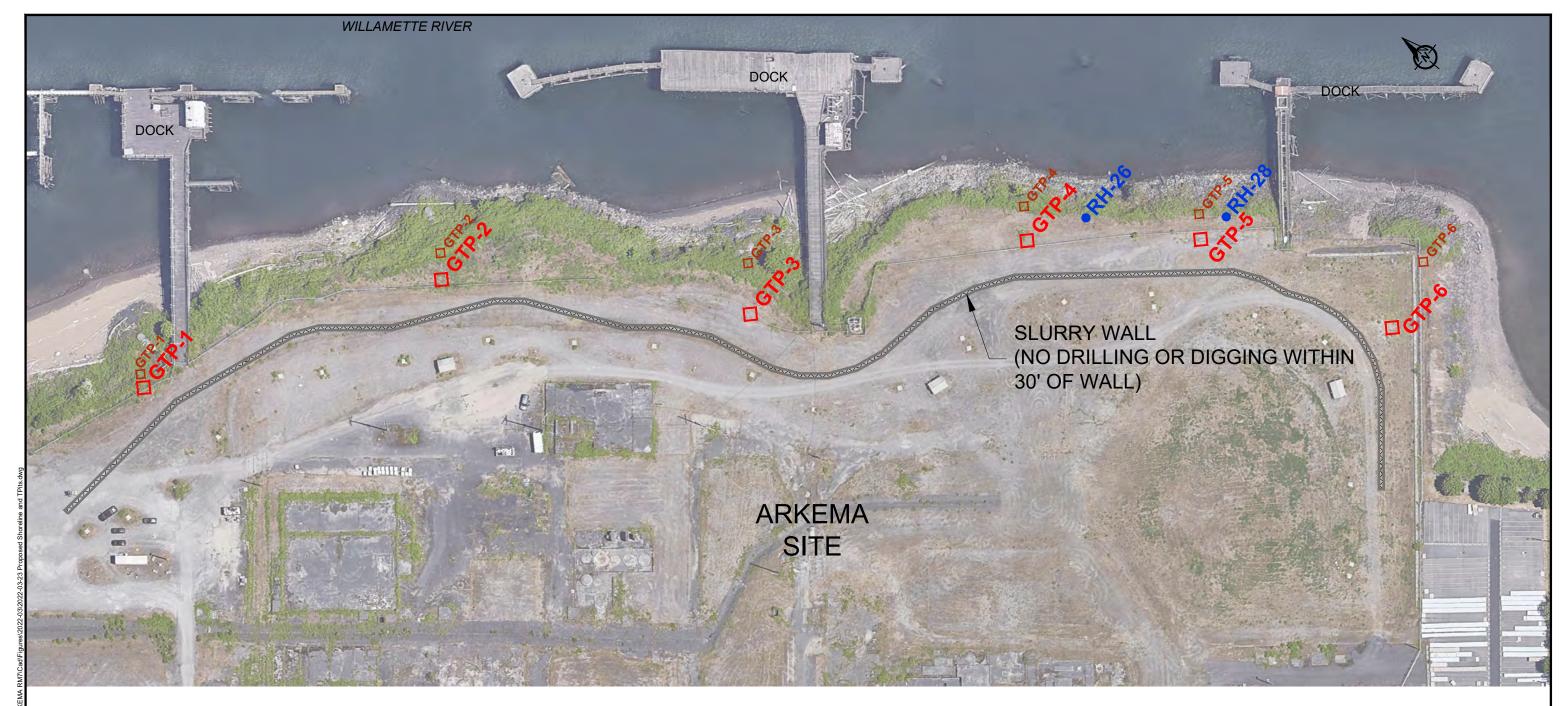
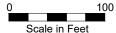
FIELD CHANGE REQUEST (FCR) FORM

Project Name: <u>Arkema Project Area – I</u> Client: <u>LSS/Retia USA</u>	PDI Phase 2	Project No.: <u>CF167</u> Request No.: <u>FCR-15</u>
CheffLSS/Retia USA		Request NoFCR-15
To: _Madi Novak, EPA	Date: <u>March 23, 2022</u>	<u> </u>
Field Change Request Title: <u>Shift Geotechnical Test Pits approximately 50-75 ft Landward, North and South as needed based on field conditions.</u>		
Description:		
The planned geotechnical test pits are located at the top of bank, as shown in Figure 3.6 of the Pre-Design Investigation (PDI) Work Plan. The purpose of these test pits is to observe site conditions and collect samples to determine geotechnical parameters that will help inform the design of the shoreline and bank stability during and post-remediation.		
The remedy anticipated along the riverbank is expected to result in the top of bank being moved landward to the southwest to create a flatter, stable slope. In the interest of collecting material that will be representative of the material left in place post-excavation we are proposing to relocate the test pit locations. The proposed test pit locations will not damage or interfere with the existing slurry wall in any way.		
Recommended Change:		
The test pits will be shifted approximately 50-75 ft landward toward the groundwater barrier wall, as shown on attached Figure 1. Additionally, pits may be adjusted north or south slightly, as appropriate based on field conditions. Moving the test pits will provide data that will be more representative of the material that will be left in place post-remediation and will be more accurate for calculating the angles of repose from the top of bank to leave a stable slope and reduce the chance of bank erosion.		
Field Operations Lead (or designee)	Signature	<u>March 23, 2022</u> Date
Approval:		
<u>Eron Dodak</u> Project Manager	Signature	<u>March 23, 2022</u> Date
Madi Novak	Madi Novak	3/25/2022
EPA Remedial Project Manager	Signature	Date
<u>Distribution</u> : LSS Project Coordinator Integral Project Manager Field Operations Lead		

Project File Other:

QA Officer





NOTES:

1. The horizontal coordinate system for the project is based on NAD83/2011 Oregon State Plane, North Zone, International Foot.

2. Background Image source: GoogleEarth 2021.

LEGEND:

♦ GTP-x TEST PIT (PROPOSED)

♦ GTP-x TEST PIT (ORIGINAL LOCATION)

• RH-xx SHORELINE BORING - FOR ADDITIONAL CHEMISTRY SAMPLING USING EXCAVATOR

ARKEMA RM7 PORTLAND



PROPOSED TEST PIT LOCATIONS

1 March 23, 2022

DRAFT

SLURRY WALL